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criteria, to be summed with the at least one previously received power control values.

22. A method as claimed in any preceding claim, wherein said second station is a base station.

23. A method as claimed in any preceding claim, wherein said first station is a mobile station.

24. A method of controlling the power with which a first station transmits signals to a plurality of second stations, comprising the steps of;

transmitting from each of the second stations to the first station a power control command having a given value;

receiving said power control commands at said first station;

determining the received values of said received power control commands;

combining the received values of said received power control commands; and

controlling the power with which first station transmits to the second station based on said combined value.

25. A method as claimed in claim 24, wherein said transmitted power control command comprises a first value indicating that the power should be increased and a second value indicating that the power should be decreased, and if the combined value exceeds a given threshold, the power with which the first station transmits to second station is one of increased or decreased and if the combined value is below the given threshold, the power with which the first station transmits to the second station is the other of increased or decreased.

26. A method of controlling the power with which a first station transmits signals to a second station, comprising the steps of;

transmitting from the second station to the first station a plurality of power control commands;

receiving said power control commands at said first station;

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determining the value of said received power control values;  
controlling the power with which the first station transmits to the second station based on a currently received power control command and at least one previously received power control command.

27. A method as claimed in claim 26, comprising the steps of summing the determined value of the currently received power control command with a previously determined value of at least one previously received power control command; comparing the summed values with a predetermined threshold; controlling the power with which the first station transmits to the second station depending on whether or not the threshold is crossed and the determined value of the currently received power control value.

28. A method as claimed in claim 26 or 27, wherein the first station is arranged to transmit signals to a plurality of second stations, each of which second stations is arranged to transmit power control commands to said first station, said method further comprising the steps of determining the values of each of said received power control values and selecting one of said determined values in accordance with a predetermined criteria as the current received value.

29. A method as claimed in claim 28, wherein said transmitted power control command comprises either a first value indicating that the power should be increased or a second value indicating that the power should be decreased, and the predetermined criteria is to select the received value closer to the second value.

30. A method as claimed in claim 27 or any claim appended thereto, wherein if the summed value crosses the threshold and the determined value of the received power is determined to represent a power increase, the power with which the first station transmits to second station is decreased.

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31. A method as claimed in claim 27 or any claim appended thereto, wherein if the summed value crosses the threshold and the determined value of the received power is determined to be represent a power increase, the power with which the first station transmits to second station is decreased and the summed value becomes a reset value.

32. A method for controlling the power which a first station transmits signals to a second station comprising the steps of:

transmitting from the second station to the first station a power control command;

receiving said power control command at the first station;

determining, using a plurality of different methods, power control information from said received power control command; and

controlling the power with which the first station transmits to the second station based on the determination step.

33. A method as claimed in claim 32, wherein the power control information obtained from one of said plurality of different methods is used to control the power with which the first station transmits to the second station.

34. A method as claimed in claim 32 or 33, wherein one of said plurality of different methods comprises the steps of determining from the received power control command a parameter representative of the quality with which the power control command is received at the first station, said parameter defining said power control information

35. A method as claimed in claim 32, 33 or 34, wherein one of said plurality of different methods comprises the steps of determining the received values of a plurality of power control commands received at said first station from a plurality of second stations, combining the received values of the received power control commands to define said power control information.

36. A method as claimed in claim any of claims 32 to 35, wherein

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